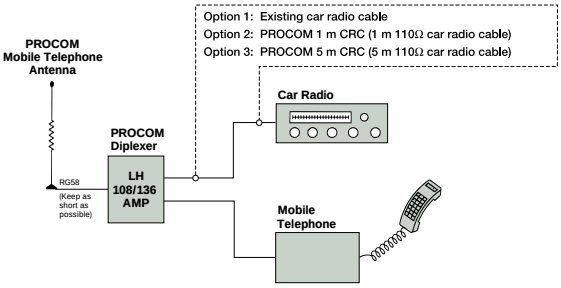
LH 108/136 AMP

Diplexer for Mobile Telephone (136-1300 MHz) and Car Radio (0-108 MHz) with built-in low noise amplifier

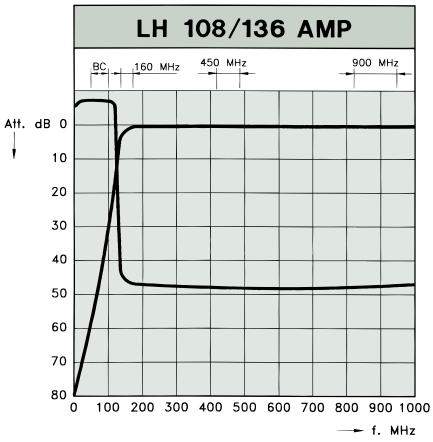
DESCRIPTION:

- ★ Diplexer for simultaneous operation of mobile telephone and car radio on a common mobile radio antenna.
- ★ A single diplexer covers all communication bands 136-1300 MHz
- ★ Built-in low noise SMD-equipped amplifier in the car radio section gives freedom of choice of mobile telephone antenna.
- ★ Better reception of car radio signals due to the built-in low noise amplifier.
- ★ Power supply of the low noise amplifier via the car radio cable or by direct wiring.
- ★ Extremely compact.
- ★ Quick installation using dual-adhesive pad provided.
- ★ FME-connections on antenna and mobile telephone terminals
  – CRC connection (M10 x 0.75) on the car radio terminal.
  – Power supply 12 V to the low noise amplifier via CRC-connection.
- ★ PROCOM 110 Ohm car radio cable available as an option.



SPECIFICATIONS:

ELECTRICAL	
FREQUENCY	Mobile telephone: 136-1300 MHz Car radio : 0-108 MHz
IMPEDANCE	50 Ω / 110 Ω
MAX. INPUT POWER	35 watt
INSERTION LOSS	0-108 MHz : ~ +7 dB 136-175 MHz : ≤ 0.7 dB 175-1300 MHz : ≤ 0.3 dB
ISOLATION	to car radio: > 45 dB
POWER SUPPLY	+12 V from the car via CRC-connection or directly
POWER CONSUMP.	~ 25 mA
MECHANICAL	
TEMP. RANGE	–30° C i +70° C
CONNECTORS	Antenna : FME TX/RX : FME Car radio: CRC-Connector (M10 x 0.75)
DIMENSIONS (W x H x D)	50 x 21 x 60 mm
WEIGHT	Approx. 73 g
ACCESSORIES	Car radio cable Type 1 m CRC (length 1 m) Type 5 m CRC (length 5 m)



INSTALLATION NOTES:

1. The 50 Ω cable between antenna and diplexer should be kept as short as possible (preferably not over 1 m).
2. Some communications antennas have insufficient height to ensure satisfactory broadcast reception. Only antenna whips with a height of at least 25 cm are acceptable.
3. **Tuning:** The antenna is tuned for best SWR at the operating frequency as usual. The filter is factory-tuned and ready for installation. The car radio is tuned for optimum reception on the MW-band by means of the antenna tuning screw (if present).